



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

## **NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

023379 HM12/  
RICHARD ARON OSMAN  
SCIENCE AND TECHNOLOGY LAW GROUP  
75 DENISE DRIVE  
HILLSBOROUGH CA 94010

| APPLICATION NO.       | FILING DATE | TOTAL CLAIMS            | EXAMINER AND GROUP ART UNIT | DATE MAILED   |
|-----------------------|-------------|-------------------------|-----------------------------|---------------|
| 09/540,245            | 03/31/00    | 021                     | MCKELVEY, T                 | 1636 02/15/01 |
| First Named Applicant | GOODMAN,    | 35 USC 154(b) term ext. | =                           | 0 Days.       |

**TITLE OF  
INVENTION MODULATING ROBO<sub>2</sub> LIGAND INTERACTIONS**

| ATTY'S DOCKET NO. | CLASS-SUBCLASS | BATCH NO. | APPLN. TYPE | SMALL ENTITY | FEES DUE | DATE DUE |
|-------------------|----------------|-----------|-------------|--------------|----------|----------|
| 1 B98-031-5       | 435-007.800    | C21       | UTILITY     | YES          | \$620.00 | 05/15/01 |

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.**  
**PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

## **HOW TO RESPOND TO THIS NOTICE:**

- I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or  
B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay FEE DUE shown above, or  
B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

|                               |                        |                            |  |
|-------------------------------|------------------------|----------------------------|--|
| <b>Notice of Allowability</b> | <b>Application No.</b> | <b>Applicant(s)</b>        |  |
|                               | 09/540,245<br>Examiner | GOODMAN ET AL.<br>Art Unit |  |
|                               | Terry McKelvey         | 1636                       |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 11/22/00.
  2.  The allowed claim(s) is/are 8-28 renumbered as 1-21.
  3.  The drawings filed on \_\_\_\_\_ are acceptable as formal drawings.
  4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a)  All
    - b)  Some\*
    - c)  None
 of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.
5.  Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE FOR SUBMITTING NEW FORMAL DRAWINGS, OR A SUBSTITUTE OATH OR DECLARATION. This three-month period for complying with the REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL is extendable under 37 CFR 1.136(a).**

6.  Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
7.  Applicant MUST submit NEW FORMAL DRAWINGS
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review( PTO-948) attached
    - 1)  hereto or 2)  to Paper No. \_\_\_\_\_.
  - (b)  including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the examiner.
  - (c)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

8.  Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any reply to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE / SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

#### Attachment(s)

- |  |   |
|--|---|
| <input type="checkbox"/> Notice of References Cited (PTO-892)  | <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. <u>9</u> |
| <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____.              | <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|  | <input type="checkbox"/> Other  |

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*Amndt C*

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Richard Osman on 2/7/01.

The application has been amended as follows:

In the claims:

At claim 9, line 1, "Slit" has been replaced with  
-- first --.

At claim 10, line 1, "Slit" has been replaced with  
-- first --.

At claim 11, line 1, "Slit" has been replaced with  
-- first --.

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At claim 12, line 1, "Slit" has been replaced with  
-- first --.

At claim 13, line 1, "Slit" has been replaced with  
-- first --.

At claim 14, line 1, "Slit" has been replaced with  
-- first --.

At claim 15, line 1, "Slit" has been replaced with  
-- first --.

At claim 16, line 1, "Slit" has been replaced with  
-- first --.

At claim 17, line 1, "Slit" has been replaced with  
-- first --.

At claim 18, line 1, "Slit" has been replaced with  
-- first --.

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At claim 19, line 1, "Slit" has been replaced with  
-- first --.

At claim 20, line 1, "Slit" has been replaced with  
-- first --.

At claim 21, line 1, "Slit" has been replaced with  
-- first --.

At claim 22, line 1, "Slit" has been replaced with  
-- first --.

At claim 23, line 1, "Slit" has been replaced with  
-- first --.

At claim 24, line 1, "Robo" has been replaced with  
-- second --.

At claim 25, line 1, "Robo" has been replaced with  
-- second --.

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At claim 26, line 2, "Robo and Slit" has been replaced with  
-- second and first --.

At claim 27, line 4, "Robo and Slit" has been replaced with  
-- second and first --.

At claim 27, line 5, "Robo and Slit" has been replaced with  
-- second and first --.

At claim 28, line 4, "Robo and Slit" has been replaced with  
-- second and first --.

At claim 28, line 5, "Robo and Slit" has been replaced with  
-- second and first --.

#### ***Conclusion***

Certain papers related to this application may be submitted to Art Unit 1636 by facsimile transmission. The faxing of such papers must conform with the notices published in the Official Gazette, 1156 OG 61 (November 16, 1993) and 1157 OG 94 (December 28, 1993) (see 37 C.F.R. § 1.6(d)). The official fax telephone numbers for the Group are (703) 308-4242 and (703) 305-3014. NOTE: If Applicant does submit a paper by fax, the original signed copy should be retained by applicant or applicant's

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representative. NO DUPLICATE COPIES SHOULD BE SUBMITTED so as to avoid the processing of duplicate papers in the Office.

Any inquiry concerning missing attachments or other minor formalities of this communication should be directed to the patent analyst, Zeta Adams, whose telephone number is (703) 305-3291.

Any inquiry concerning rejections or other major issues in this communication or earlier communications from the examiner should be directed to Terry A. McKelvey whose telephone number is (703) 305-7213. The examiner can normally be reached on Monday through Friday, except for Wednesdays, from about 7:30 AM to about 6:00 PM. A phone message left at this number will be responded to as soon as possible (i.e., shortly after the examiner returns to his office).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Richard Schwartz, can be reached on (703) 308-1133.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

*Terry A. McKelvey*  
Terry A. McKelvey, Ph.D.  
Primary Examiner  
Art Unit 1636

February 9, 2001